



SEQUENCE LISTING

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<110> Centro de Ingenieria Genetica y Biotecnologia
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<120> Analogues of lipopolysaccharide-binding protein
(LBP)-derived peptides that efficiently neutralize
lipopolysaccharides (LPS)

<130> P53425US00

<140> US 09/588,525
<141> 2000-06-06

<150> CU 71/99
<151> 1999-06-10

<160> 56

<170> PatentIn Ver. 2.1

<210> 1
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<223> Description of Artificial Sequence: peptide

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<222> (1)..(14)

<223> /note="LBP 86-99"

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<223> Description of Artificial Sequence: peptide with
an amino acid sequence derived from LBP mature
protein

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Arg Val Gln Gly Arg Trp Lys Val Arg Lys Ser Phe Phe Lys
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invention comprising one or more selected
substitutions at particular site(s) compared to the
peptide of SEQ ID NO 1"

<400> 2
Ala Val Gln Gly Arg Trp Lys Val Arg Lys Ser Phe Phe Lys
1 5 10

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invention comprising one or more selected
substitutions at particular site(s) compared to the
peptide of SEQ ID NO 1"

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Arg Val Gln Gly Ala Trp Lys Val Arg Lys Ser Phe Phe Lys
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substitutions at particular site(s) compared to the
peptide of SEQ ID NO 1"

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Arg Val Gln Gly Arg Trp Lys Val Ala Lys Ser Phe Phe Lys
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 Arg Val Gln Gly Arg Trp Lys Val Arg Ala Ser Phe Phe Lys
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Arg Val Gln Gly Arg Trp Lys Val Arg Lys Ser Phe Ala Lys
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<210> 8

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<212> PRT

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Ala Val Gln Gly Arg Trp Lys Val Arg Lys Ser Phe Ala Lys
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<210> 9

<211> 14

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Ala Val Gln Gly Arg Trp Lys Val Arg Ala Ser Phe Phe Lys
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<400> 12
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<220>

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<222> (1)..(14)

<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

<400> 13

Arg Val Gln Gly Ala Trp Lys Val Ala Lys Ser Phe Phe Lys
1 5 10

<210> 14

<211> 14

<212> PRT

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<221> PEPTIDE

<222> (1)..(14)

<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

<400> 14

Arg Val Gln Gly Ala Trp Lys Val Arg Ala Ser Phe Phe Lys
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<222> (1)..(14)

<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

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<400> 16
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<211> 14
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<213> Artificial Sequence

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SEQ ID NO 1"

<400> 17
Arg Val Gln Gly Arg Trp Lys Val Ala Lys Ser Phe Ala Lys
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particular site(s) compared to the peptide of
SEQ ID NO 1"

<400> 18

Arg Val Gln Gly Arg Trp Lys Val Arg Lys Ala Phe Ala Lys
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particular site(s) compared to the peptide of
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<400> 19

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Arg Val Gln Met Arg Trp Lys Val Arg Ala Ser Phe Phe Lys
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<210> 23

<211> 14

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<400> 23

Arg Val Gln Phe Arg Trp Lys Val Arg Ala Ser Phe Phe Lys
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<400> 24
Arg Val Gln Gly Arg Trp Lys Phe Arg Ala Ser Phe Phe Lys
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<400> 25
Arg Val Gln Gly Arg Trp Lys Val Arg Ala Gln Phe Phe Lys
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<400> 26
Arg Val Gln Gly Arg Trp Lys Val Arg Ala Ser Trp Phe Lys
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<211> 14
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<400> 27
Arg Val Gln Gly Arg Trp Lys Val Arg Ala Ser Phe Phe Ala
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<210> 28
<211> 14
<212> PRT
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<400> 28
Arg Val Gln Gly Arg Trp Lys Val Arg Ala Ser Phe Gln Val
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<400> 31
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<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

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<210> 33

<211> 14

<212> PRT

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<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

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<211> 14

<212> PRT

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<221> PEPTIDE

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<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

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Arg Val Gln Gly Arg Trp Lys Val Arg Val Thr Phe Phe Lys

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particular site(s) compared to the peptide of
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<400> 35
Arg Val Gln Gly Arg Trp Arg Val Arg Val Lys Phe Thr Val
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<211> 14
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comprising one or more selected substitutions at
particular site(s) compared to the peptide of
SEQ ID NO 1"

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Arg Val Gln Gly Arg Trp Arg Val Arg Val Ala Phe Ala Lys
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<223> /note="Example of a peptide of the invention

comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

<400> 37

Ala Val Gln Gly Arg Trp Arg Val Arg Val Ser Phe Ala Lys
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<211> 14

<212> PRT

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<222> (1)..(14)

<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

<400> 38

Ala Val Gln Gly Arg Trp Arg Val Arg Val Ser Phe Gln Val
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<210> 39

<211> 14

<212> PRT

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<221> PEPTIDE

<222> (1)..(14)

<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

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Arg Val Ser Gly Arg Trp Arg Val Arg Val Ser Phe Gln Val
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<222> (1)..(14)

<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

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<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

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Arg Val Gln Gly Arg Trp Arg Val Ala Lys Ser Phe Gln Val
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<211> 14

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<213> Artificial Sequence

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<222> (1)..(14)

<223> /note="Example of a peptide of the invention comprising one or more selected substitutions at particular site(s) compared to the peptide of SEQ ID NO 1"

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 <223> /note="Example of a peptide of the invention
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 <400> 43
 Ala Val Gln Gly Arg Trp Arg Val Ala Lys Ser Phe Gln Val
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<210> 44
 <211> 14
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 <223> /note="Example of a peptide of the invention
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 <400> 44
 Ala Val Ser Gly Arg Trp Arg Val Ala Lys Ala Phe Gly Lys
 1 5 10

<210> 45
 <211> 14
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<400> 45
Arg Val Gln Gly Ala Trp Lys Val Arg Ala Ser Phe Ala Lys
1 5 10

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SEQ ID NO 1"

<400> 46
Arg Val Gln Gly Ala Trp Lys Val Arg Ala Ser Phe Gln Val
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<210> 47
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<223> /note="Example of a peptide of the invention
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particular site(s) compared to the peptide of
SEQ ID NO 1"

<400> 47
Ala Val Gln Gly Ala Trp Lys Val Arg Ala Ser Phe Ala Lys
1 5 10

<210> 48
<211> 14
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particular site(s) compared to the peptide of
SEQ ID NO 1"

<400> 48
Ala Val Gln Gly Ala Trp Lys Val Arg Ala Ser Phe Gln Val
1 5 10

<210> 49
<211> 18
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<222> (1)..(18)
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comprising one or more selected substitutions at
particular site(s) compared to the peptide of
SEQ ID NO 1"

<400> 49
Thr Ile Arg Val Gln Gly Arg Trp Lys Val Arg Ala Ser Phe Phe Lys
1 5 10 15

Leu Gln

<210> 50
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
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comprising one or more selected substitutions at
particular site(s) compared to the peptide of
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<400> 50
Thr Val Arg Val Gln Gly Ala Trp Lys Val Arg Ala Ser Phe Phe Lys
1 5 10 15

Leu Gln

<210> 51
<211> 18
<212> PRT
<213> Artificial Sequence

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<400> 51
Thr Val Arg Val Gln Gly Arg Trp Lys Val Arg Ala Ser Phe Ala Lys
1 5 10 15

Leu Gln

<210> 52
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<222> (1)..(17)
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particular site(s) compared to the peptide of
SEQ ID NO 1"

<400> 52
Ser Val Arg Val Gln Gly Arg Trp Lys Val Arg Ala Ser Phe Ala Val
1 5 10 15

Thr

<210> 53
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: example of a peptide substituted, in regard to the LBP primary sequence

<220>

<221> PEPTIDE

<222> (1)..(14)

<223> /note="LBP A92"

<400> 53

Arg Val Gln Gly Arg Trp Ala Val Arg Lys Ser Phe Phe Lys
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<210> 54

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<223> Description of Artificial Sequence: example of a peptide substituted, in regard to the LBP primary sequence

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<221> PEPTIDE

<222> (1)..(14)

<223> /note="LBP A97"

<400> 54

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1 5 10

<210> 55

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<223> Description of Artificial Sequence: example of a peptide substituted, in regard to the LBP primary sequence

<220>

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<222> (1)..(14)

<223> /note="LBP A91"

<400> 55

Arg Val Gln Gly Arg Ala Lys Val Arg Lys Ser Phe Phe Lys
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<210> 56

<211> 14

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<223> Description of Artificial Sequence: peptide LBP-H

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Gln Gly Arg Trp Lys Val Arg Lys Ser Phe Phe Lys Leu Gln
1 5 10